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(54) EXHAUST GAS PURIFICATION CATALYST

(57)Abstract:

PURPOSE: To obtain an exhaust gas purification catalyst having improved purifying capacity at high temp. in oxidizing atmosphere by constituting the catalyst of a refractory three dimensional structure contg. a catalyst component consisting of at least one rare earth element oxide.

CONSTITUTION: A three dimensional structure coated with zirconia is obtd. by forming a slurry of zirconia powder pulverized by a wet process, dipping the three dimensional structure in the slurry, then removing excess slurry, and drying the product and then calcining. Thereafter, the obtd. structure body coated with zirconia is dipped in an aq. soln. contg. a specified amt. of palladium and a specified amt. of at least one kind of rare earth element selected from a group consisting of praseodymium, cerium, lanthanum, neodymium and samarium. Excess soln. is removed, and obtd. product is dried and calcined in the air. Thus, an exhaust gas purification catalyst is obtd.

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